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013272735 **Image available**
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Kinesthetic signaling device for alerting the driver of a vehicle that speed has become excessive when cruise control is engaged and vehicle spacing is not suitable

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Number of Countries: 004 Number of Patents: 006
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
GB 2344802	A	20000621	GB 9929321	A	19991210	200039 B
DE 19857992	A1	20000629	DE 1057992	A	19981216	200039
JP 2000177429	A	20000627	JP 99356870	A	19991216	200042
DE 19857992	C2	20001214	DE 1057992	A	19981216	200065
GB 2344802	B	20010214	GB 9929321	A	19991210	200110
US 6362729	B1	20020326	US 99465876	A	19991216	200226

Priority Applications (No Type Date): DE 1057992 A 19981216

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
GB 2344802	A	16		B60Q-001/52	
DE 19857992	A1			B60T-007/12	
JP 2000177429	A	8		B60K-031/18	
DE 19857992	C2			B60T-007/12	
GB 2344802	B			B60Q-001/52	
US 6362729	B1			B60Q-001/00	

Abstract (Basic): GB 2344802 A

NOVELTY - The main component of the signaling device is the cruise control unit (14) which receives data regarding the spacing (d) and relative speed (Vr) of the vehicle in front. The control unit can then ascertain whether an activation of the brake is necessary to avoid a collision, and alerts the driver accordingly by modulating the target braking value. This causes a fluctuating retardation that is felt by the driver. The control unit is itself monitored by a function monitoring unit (15) and any faulty function triggers the fluctuating retardation.

USE - Creates a fluctuating retardation that alerts driver to take corrective action

ADVANTAGE - Provides a reliable indication that vehicle operation is exceeding regulated settings

DESCRIPTION OF DRAWING(S) - Block diagram of control system

Cruise control (14)

Monitoring unit (15)

Vehicle spacing (d)

Relative speed (Vr)

pp; 16 DwgNo 1/3

Title Terms: DEVICE; ALERT; DRIVE; VEHICLE; SPEED; EXCESS; CRUISE; CONTROL; ENGAGE; VEHICLE; SPACE; SUIT

Derwent Class: Q13; Q16; Q18; X22

International Patent Class (Main): B60K-031/18; B60Q-001/00; B60Q-001/52; B60T-007/12

International Patent Class (Additional): B60K-031/00

File Segment: EPI; EngPI

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